

CLAIMS

WHAT IS ~~the~~ charac. is being referred to
maximum value ~~of~~ the

How can
there be
plough
diameters?

How does
"W" relate
to diameter

TOEBO-TECH-000

Sub A3

1. A polyester film roll in which a polyester film is rolled on a core, characterized in that the difference R (m) between the maximum value and the minimum value is not more than $2W \times 10^{-3}$ and not more than $L \times 10^{-7}$, when the diameters of said roll are measured in the width direction of the roll, wherein, W is the width (m) of the film roll, and L is the rolled length (m) of the film roll.

how can you measure diameter in a width?
Since diameter is \perp to winding axis

2. The polyester film roll described in Claim 1, wherein the surface roughness R_a of the polyester film is not less than 0.1 nm and not more than 10 nm.

3. The polyester film roll described in Claim 1 or 2, wherein the thickness of the polyester film is not less than $0.5 \mu m$ and not more than $20 \mu m$.

4. The polyester film roll described in either one of Claims 1 to 3, wherein the degree of rolling hardness of the film roll is not less than 90 and not more than 100.

5. The polyester film roll described in either one of Claims 1 to 4, wherein the polyester film is a film comprising polyethylene terephthalate or polyethylene 2,6-naphthalenedicarboxylate.

6. The polyester film roll described in either one of Claims 1 to 5, wherein the difference (R_c) between the maximum value and the minimum value is not more than $300 \times 10^{-6} m$, when the roll diameters of the core are measured in the width direction of the core.

7. The polyester film roll described in Claim 1 or 6, wherein the roll shape of the core is a crown shape whose central portion is thick and whose both end portions are thin.

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16. A polyester film roll in which a polyester film is rolled on a core, characterized in that, among the lengths of lines which are obtained by measuring the diameters of said roll in the width direction of the roll, drawing

what is this)

ck
a straight line between both the ends of ^{which} (the curved line of the obtained roll diameters, and then vertically drawing the lines from said curved line to said straight line, the maximum length (maximum convex portion) on the convex portion side from said straight line is not more than 500 μ m, and the
5 maximum length (maximum concave portion) on the concave portion side from said straight line is not more than 300 μ m. *nothing in parentheses*

which
direction
is vertical

17. The polyester film roll described in Claim 16, wherein the roughness Ra of at least one of the surfaces of the polyester film is 1 to 10 nm.

18. The polyester film roll described in Claim 16, wherein the thickness of the polyester film is 2 to 10 μ m.

19. The polyester film roll described in Claim 16, wherein the degree
15 of rolling hardness of the film roll is 90 to 100.

20. The polyester film roll described in Claim 16, wherein the width of the film roll is not less than 300 mm, and the rolled length of the film roll is not less than 4,000 m.

21. The polyester film roll described in Claim 16, wherein the polyester film is a film comprising polyethylene terephthalate or polyethylene 2,6-naphthalenedicarboxylate.

22. The polyester film roll described in Claim 16, wherein the polyester film roll is supplied for a magnetic recording medium.

23. The polyester film roll described in Claim 22, wherein the polyester film roll is supplied for a magnetic recording medium whose
30 magnetic layer is a coating type.

24. The polyester film roll described in Claim 16, wherein, among the lengths of lines which are obtained by measuring the diameters of the film-rolling portion of the core in the width direction of the core, drawing a

straight line between both the ends of the curved line of the obtained core diameters, and then vertically drawing the lines from said curved line to said straight line, the maximum length (maximum convex portion) on the convex portion side from said straight line is not more than $400 \mu m$, and the
5 maximum length (maximum concave portion) on the concave portion side from said straight line is not more than $200 \mu m$.

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